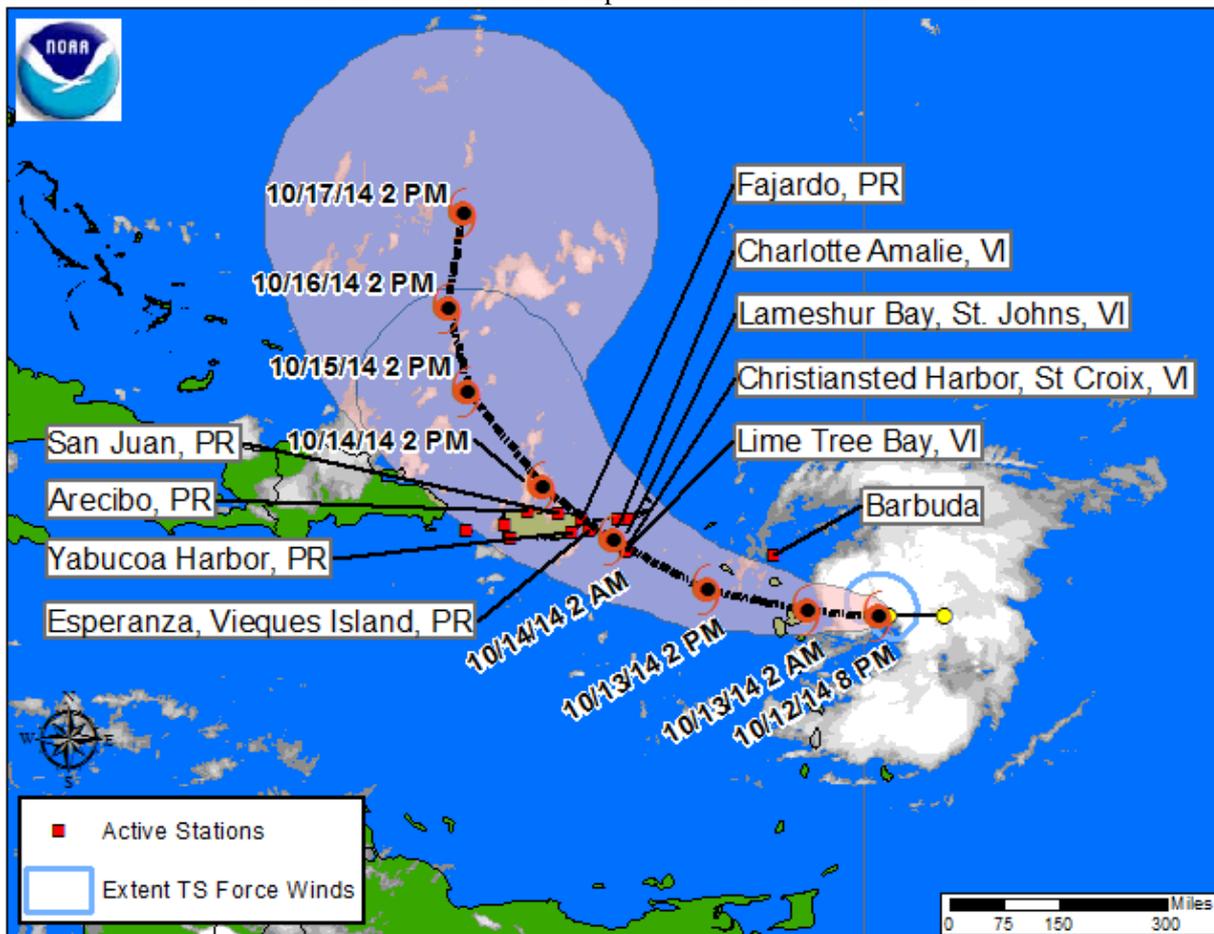




Tropical Storm GONZALO QuickLook
Posted: 00:00 AST 10/13/2014

NOAA and NOAA Partnership Stations Relative to the Storm



Storm Analysis

As of 10/13/2014 00:00 AST, water levels across Barbuda, the U.S. Virgin Islands and the eastern half of Puerto Rico are slightly elevated by up to half a foot above predicted tide levels. Winds have begun to increase, but remain below 20 knots across the region. Wind gusts over 20 knots have been observed on Barbuda over the past 12 hours. Barometric pressure remains steady across the region.

Water Level and Meteorological plots available below are updated automatically. A line denoting Mean Higher High Water (MHHW) is displayed to provide an approximate indication of when flooding inundation may occur.

For additional data, please see the [Center for Operational Oceanographic Products & Services](#) website. For more information or archived products and reports, please see the [Storm QuickLookHomepage](#).

Analyst: CMF

SELECT NATIONAL HURRICANE CENTER ADVISORY INFORMATION:

TROPICAL STORM GONZALO ADVISORY NUMBER 3

1100 PM AST SUN OCT 12 2014

...GONZALO EXPECTED TO STRENGTHEN WHILE IT MOVES THROUGH THE LEEWARD ISLANDS TONIGHT AND EARLY MONDAY...

WATCHES AND WARNINGS

CHANGES WITH THIS ADVISORY...

NONE.

SUMMARY OF WATCHES AND WARNINGS IN EFFECT...

A HURRICANE WATCH IS IN EFFECT FOR...

- * PUERTO RICO
- * VIEQUES AND CULEBRA
- * U.S. VIRGIN ISLANDS

A TROPICAL STORM WARNING IS IN EFFECT FOR...

- * BARBUDA
- * PUERTO RICO
- * VIEQUES AND CULEBRA
- * U.S. VIRGIN ISLANDS

A HURRICANE WATCH MEANS THAT HURRICANE CONDITIONS ARE POSSIBLE WITHIN THE WATCH AREA...IN THIS CASE IN THE NEXT 36 HOURS.

A TROPICAL STORM WARNING MEANS THAT TROPICAL STORM CONDITIONS ARE EXPECTED SOMEWHERE WITHIN THE WARNING AREA...IN THIS CASE WITHIN THE NEXT 12 TO 24 HOURS.

FOR STORM INFORMATION SPECIFIC TO YOUR AREA IN THE UNITED STATES...INCLUDING POSSIBLE INLAND WATCHES AND WARNINGS...PLEASE MONITOR PRODUCTS ISSUED BY YOUR LOCAL NATIONAL WEATHER SERVICE FORECAST OFFICE.

DISCUSSION AND 48-HOUR OUTLOOK

AT 1100 PM AST THE CENTER OF TROPICAL STORM GONZALO WAS LOCATED ABOUT 80 MI ENE OF GUADELOUPE OR ABOUT 110 MI ESE OF ANTIGUA. GONZALO IS MOVING TOWARD THE WEST NEAR 12 MPH AND THIS GENERAL MOTION IS EXPECTED TO CONTINUE THROUGH TONIGHT. A TURN TOWARD THE WEST-NORTHWEST IS FORECAST ON MONDAY...FOLLOWED BY A TURN TOWARD THE NORTHWEST BY TUESDAY. ON THE FORECAST TRACK...THE CENTER OF GONZALO WILL MOVE ACROSS THE LEEWARD ISLANDS TONIGHT AND MONDAY...AND APPROACH THE VIRGIN ISLANDS AND EASTERN PUERTO RICO ON MONDAY NIGHT AND TUESDAY MORNING.

MAXIMUM SUSTAINED WINDS ARE NEAR 45 MPH WITH HIGHER GUSTS. STRENGTHENING IS FORECAST DURING THE NEXT 48 HOURS...AND GONZALO IS FORECAST TO BECOME A HURRICANE BY EARLY TUESDAY.

TROPICAL STORM FORCE WINDS EXTEND OUTWARD UP TO 60 MILES FROM THE CENTER.

THE ESTIMATED MINIMUM CENTRAL PRESSURE IS 1002 MB.

HAZARDS AFFECTING LAND

WIND...HURRICANE CONDITIONS ARE POSSIBLE WITHIN THE HURRICANE WATCH AREA BY EARLY TUESDAY MORNING...WITH TROPICAL STORM CONDITIONS EXPECTED BY MONDAY EVENING....MAKING OUTSIDE PREPARATIONS DIFFICULT OR DANGEROUS.

TROPICAL STORM CONDITIONS ARE EXPECTED TO SPREAD THROUGH PORTIONS OF THE WARNING AREA IN THE LEEWARD ISLANDS OVERNIGHT TONIGHT AND MONDAY.

RAINFALL...GONZALO IS EXPECTED TO PRODUCE TOTAL RAINFALL ACCUMULATIONS OF 4 TO 8 INCHES ACROSS THE U.S. VIRGIN ISLANDS...AND EASTERN PUERTO RICO...WITH ISOLATED MAXIMUM TOTALS OF 12 INCHES POSSIBLE.

SURF...SWELLS GENERATED BY GONZALO WILL REACH THE U.S. VIRGIN ISLANDS BY MONDAY AFTERNOON. THESE SWELLS ARE LIKELY TO CAUSE LIFE-THREATENING SURF AND RIP CURRENT CONDITIONS. PLEASE CONSULT PRODUCTS FROM YOUR LOCAL WEATHER OFFICE.

FORECASTER BRENNAN

For the purpose of timely release, data contained within this QuickLook have undergone a "limited" NOS Quality Assurance/Control; however, the data have not yet undergone final verification. All data subject to NOS verification.

Jump to: [Barbuda - Water Level](#), [Barbuda - Winds](#), [Lime Tree Bay - Water Level](#), [Lime Tree Bay - Winds](#), [Lime Tree Bay - Barometric](#), [Christiansted Harbor, St Croix - Water Level](#), [Christiansted Harbor, St Croix - Winds](#), [Lameshur Bay, St John - Water Level](#), [Charlotte Amalie - Water Level](#), [Charlotte Amalie - Winds](#), [Charlotte Amalie - Barometric](#), [Esperanza, Vieques Island - Water Level](#), [Esperanza, Vieques Island - Winds](#),

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Esperanza, Vieques Island - Barometric, Fajardo - Water Level, Fajardo - Winds, Yabucoa Harbor - Water Level, Yabucoa Harbor - Winds, San Juan - Water Level, San Juan - Winds, San Juan - Barometric, Arecibo - Water Level

NOAA/NOS/CO-OPS 9761115 Barbuda
NOAA/NOS/CO-OPS

This data type is not currently available from this station.				
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Last Observed Sample: 10/10/2014 23:36 (AST). Data relative to MHHW
Observed: -100.73 ft. Predicted: -0.71 ft. Residual: -100.02 ft.
Historical Maximum Water Level: Aug 23 2012, 1.05 ft.
Next High Tide: 10/11/2014 09:40 (AST), -0.04 ft.

NOAA/NOS/CO-OPS 9761115 Barbuda
NOAA/NOS/CO-OPS

This data type is not currently available from this station.				
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Last Observed Sample: 10/10/2014 23:36 (AST)
Wind Speed: n/a Gusts: n/a Direction: n/a

NOAA/NOS/CO-OPS 9751401 Lime Tree Bay, VI
NOAA/NOS/CO-OPS

This data type is not currently available from this station.					
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Last Observed Sample: 10/12/2014 23:36 (AST). Data relative to MHHW
Observed: -100.70 ft. Predicted: -0.43 ft. Residual: -100.27 ft.
Historical Maximum Water Level: Nov 17 1999, 1.88 ft.
Next High Tide: 10/13/2014 14:15 (AST), 0.14 ft.

NOAA/NOS/CO-OPS 9751401 Lime Tree Bay, VI
NOAA/NOS/CO-OPS

This data type is not currently available from this station.					
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Last Observed Sample: 10/12/2014 23:36 (AST)
Wind Speed: n/a Gusts: n/a Direction: n/a

NOAA/NOS/CO-OPS 9751401 Lime Tree Bay, VI
NOAA/NOS/CO-OPS

This data type is not currently available from this station.					
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Last Observed Sample: 10/12/2014 23:36 (AST)
Barometric Pressure: 1013.1 mb

NOAA/NOS/CO-OPS 9751364 Christiansted Harbor, St Croix, VI
NOAA/NOS/CO-OPS

This data type is not currently available from this station.					
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Last Observed Sample: 10/12/2014 23:36 (AST). Data relative to MHHW
Observed: 0.02 ft. Predicted: -0.51 ft. Residual: 0.53 ft.
Historical Maximum Water Level: Oct 16 2008, 1.17 ft.
Next High Tide: 10/13/2014 12:03 (AST), 0.03 ft.

NOAA/NOS/CO-OPS 9751364 Christiansted Harbor, St Croix, VI
NOAA/NOS/CO-OPS

This data type is not currently available from this station.					
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Last Observed Sample: 10/12/2014 23:36 (AST)

Wind Speed: n/a Gusts: n/a Direction: n/a

NOAA/NOS/CO-OPS 9751381 Lameshur Bay, St John, VI
NOAA/NOS/CO-OPS

This data type is not currently available from this station.					
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Last Observed Sample: 10/12/2014 23:42 (AST). Data relative to MHHW

Observed: -0.00 ft. Predicted: -0.40 ft. Residual: 0.40 ft.

Historical Maximum Water Level: Aug 30 2010, 0.89 ft.

Next High Tide: 10/13/2014 13:30 (AST), 0.18 ft.

NOAA/NOS/CO-OPS 9751639 Charlotte Amalie, VI
NOAA/NOS/CO-OPS

This data type is not currently available from this station.					
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Last Observed Sample: 10/12/2014 23:36 (AST). Data relative to MHHW
Observed: 0.01 ft. Predicted: -0.37 ft. Residual: 0.38 ft.
Historical Maximum Water Level: Sep 16 1995, 2.93 ft.
Next High Tide: 10/13/2014 13:44 (AST), 0.21 ft.

NOAA/NOS/CO-OPS 9751639 Charlotte Amalie, VI
NOAA/NOS/CO-OPS

This data type is not currently available from this station.					
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Last Observed Sample: 10/12/2014 23:36 (AST)
Wind Speed: 6 knots Gusts: 8 knots Direction: 72° T

NOAA/NOS/CO-OPS 9751639 Charlotte Amalie, VI
NOAA/NOS/CO-OPS

This data type is not currently available from this station.					
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Last Observed Sample: 10/12/2014 23:36 (AST)
[Barometric Pressure: 1014.3 mb](#)

NOAA/NOS/CO-OPS 9752695 Esperanza, Vieques Island, PR
NOAA/NOS/CO-OPS

This data type is not currently available from this station.					
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Last Observed Sample: 10/10/2014 23:36 (AST). Data relative to MHHW
Observed: -100.73 ft. Predicted: -0.63 ft. Residual: -100.10 ft.
Historical Maximum Water Level: Aug 22 2011, 0.99 ft.
Next High Tide: 10/11/2014 10:42 (AST), 0.02 ft.

NOAA/NOS/CO-OPS 9752695 Esperanza, Vieques Island, PR
NOAA/NOS/CO-OPS

This data type is not currently available from this station.					
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Last Observed Sample: 10/10/2014 23:36 (AST)

Wind Speed: n/a Gusts: n/a Direction: n/a

NOAA/NOS/CO-OPS 9752695 Esperanza, Vieques Island, PR
NOAA/NOS/CO-OPS

This data type is not currently available from this station.					
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Last Observed Sample: 10/10/2014 23:36 (AST)

Barometric Pressure: n/a

NOAA/NOS/CO-OPS 9753216 Fajardo, PR
NOAA/NOS/CO-OPS

This data type is not currently available from this station.					
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Last Observed Sample: 10/10/2014 23:36 (AST). Data relative to MHHW
Observed: -101.50 ft. Predicted: -0.47 ft. Residual: -101.03 ft.
Historical Maximum Water Level: Aug 30 2010, 0.84 ft.
Next High Tide: 10/11/2014 10:58 (AST), 0.21 ft.

NOAA/NOS/CO-OPS 9753216 Fajardo, PR
NOAA/NOS/CO-OPS

This data type is not currently available from this station.					
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Last Observed Sample: 10/10/2014 23:36 (AST)
Wind Speed: n/a Gusts: n/a Direction: n/a

NOAA/NOS/CO-OPS 9754228 Yabucoa Harbor, PR
NOAA/NOS/CO-OPS

This data type is not currently available from this station.					
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Last Observed Sample: 10/10/2014 23:36 (AST). Data relative to MHHW

Observed: -100.71 ft. Predicted: -0.59 ft. Residual: -100.12 ft.

Historical Maximum Water Level: n/a

Next High Tide: 10/11/2014 13:11 (AST), 0.03 ft.

NOAA/NOS/CO-OPS 9754228 Yabucoa Harbor, PR
NOAA/NOS/CO-OPS

This data type is not currently available from this station.					
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Last Observed Sample: 10/10/2014 23:36 (AST)

Wind Speed: n/a Gusts: n/a Direction: n/a

NOAA/NOS/CO-OPS 9755371 San Juan, PR
NOAA/NOS/CO-OPS

This data type is not currently available from this station.					
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Last Observed Sample: 10/10/2014 23:36 (AST). Data relative to MHHW
Observed: -101.56 ft. **Predicted: -0.36 ft.** **Residual: -101.20 ft.**
Historical Maximum Water Level: Sep 18 1989, 2.77 ft.
Next High Tide: 10/11/2014 11:20 (AST), 0.43 ft.

NOAA/NOS/CO-OPS 9755371 San Juan, PR
NOAA/NOS/CO-OPS

This data type is not currently available from this station.					
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Last Observed Sample: 10/10/2014 23:36 (AST)
Wind Speed: n/a **Gusts: n/a** Direction: n/a

NOAA/NOS/CO-OPS 9755371 San Juan, PR
NOAA/NOS/CO-OPS

This data type is not currently available from this station.					
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Last Observed Sample: 10/10/2014 23:36 (AST)
[Barometric Pressure: n/a](#)

NOAA/NOS/CO-OPS 9757809 Arecibo, PR
NOAA/NOS/CO-OPS

This data type is not currently available from this station.					
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Last Observed Sample: 10/10/2014 23:36 (AST). Data relative to MHHW
Observed: -101.75 ft. **Predicted: -0.65 ft.** **Residual: -101.10 ft.**
Historical Maximum Water Level: Oct 8 2010, 0.90 ft.
Next High Tide: 10/11/2014 10:38 (AST), 0.34 ft.

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Latest Water Level Observations on MHHW

Station ID	Station Name	Date/Time	Observed Water Level	Predicted Tide	Residual Water Level	24 Hour Maximum Storm Tide
9761115	Barbuda	10/10/2014 23:36 (AST)	-100.73 ft	-0.71 ft	-100.02 ft	-0.74 ft
9751401	Lime Tree Bay, VI	10/12/2014 23:36 (AST)	-100.70 ft	-0.43 ft	-100.27 ft	-0.71 ft
9751364	Christiansted Harbor, St Croix, VI	10/12/2014 23:36 (AST)	0.02 ft	-0.51 ft	0.53 ft	0.42 ft
9751381	Lameshur Bay, St John, VI	10/12/2014 23:42 (AST)	-0.00 ft	-0.40 ft	0.40 ft	0.50 ft
9751639	Charlotte Amalie, VI	10/12/2014 23:36 (AST)	0.01 ft	-0.37 ft	0.38 ft	0.57 ft
9752695	Esperanza, Vieques Island, PR	10/10/2014 23:36 (AST)	-100.73 ft	-0.63 ft	-100.10 ft	-0.74 ft
9753216	Fajardo, PR	10/10/2014 23:36 (AST)	-101.50 ft	-0.47 ft	-101.03 ft	-1.51 ft
9754228	Yabucoa Harbor, PR	10/10/2014 23:36 (AST)	-100.71 ft	-0.59 ft	-100.12 ft	-0.72 ft
9755371	San Juan, PR	10/10/2014 23:36 (AST)	-101.56 ft	-0.36 ft	-101.20 ft	-1.57 ft
9757809	Arecibo, PR	10/10/2014 23:36 (AST)	-101.75 ft	-0.65 ft	-101.10 ft	-1.76 ft

Center for Operational Oceanographic Products & Services (CO-OPS) | National Ocean Service (NOS)
National Oceanic and Atmospheric Administration | U.S. Department of Commerce